

Title (en)

DNA construct and process for the fermentative production of fusion proteins

Title (de)

DNS-Konstrukt und Verfahren zur fermentativen Herstellung von Fusionsproteinen

Title (fr)

Construction d'ADN et procédé pour la production par fermentation de protéines de fusion

Publication

**EP 1916305 B1 20100630 (DE)**

Application

**EP 07118379 A 20071012**

Priority

DE 102006050332 A 20061025

Abstract (en)

[origin: EP1916305A1] DNA construct for producing a target protein in Escherichia colicomprises a sequence coding for a signal peptide linked to an Escherichia colispy gene, which is linked via a gene coding for a cleavable sequence to a gene coding for the target protein. Independent claims are also included for: (1) plasmic containing the DNA construct; (2) producing a microbial strain that secretes a fusion protein by introducing the DNA construct or plasmid into a microbial strain of the Enterobacteriaceae family; (3) microbial strain (M1) containing the DNA construct or plasmid; (4) fusion protein (P1) comprising Spy protein, a target protein and a cleavable sequence; (5) producing a fusion protein by culturing M1 in a fermentation medium to form P1 and separating the medium from the cells of M1.

IPC 8 full level

**C12N 15/70** (2006.01)

CPC (source: EP US)

**C12N 15/70** (2013.01 - EP US)

Cited by

US7943341B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1916305 A1 20080430; EP 1916305 B1 20100630**; DE 102006050332 A1 20080430; DE 502007004242 D1 20100812; JP 2008104462 A 20080508; JP 4783351 B2 20110928; US 2008166764 A1 20080710; US 7943341 B2 20110517

DOCDB simple family (application)

**EP 07118379 A 20071012**; DE 102006050332 A 20061025; DE 502007004242 T 20071012; JP 2007278064 A 20071025; US 92401907 A 20071025